FIG. 1

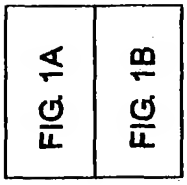
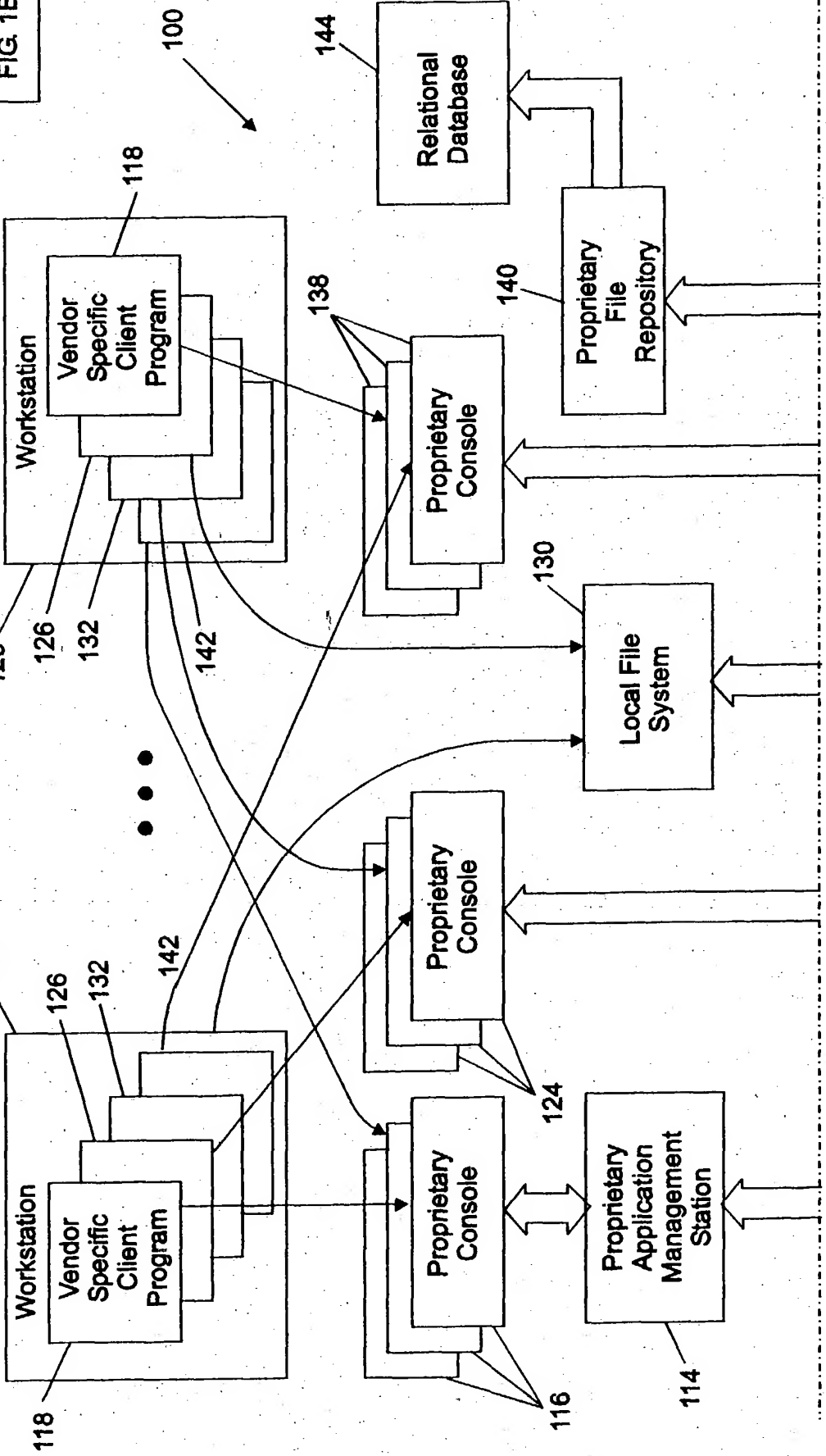


FIG. 1A
PRIOR ART



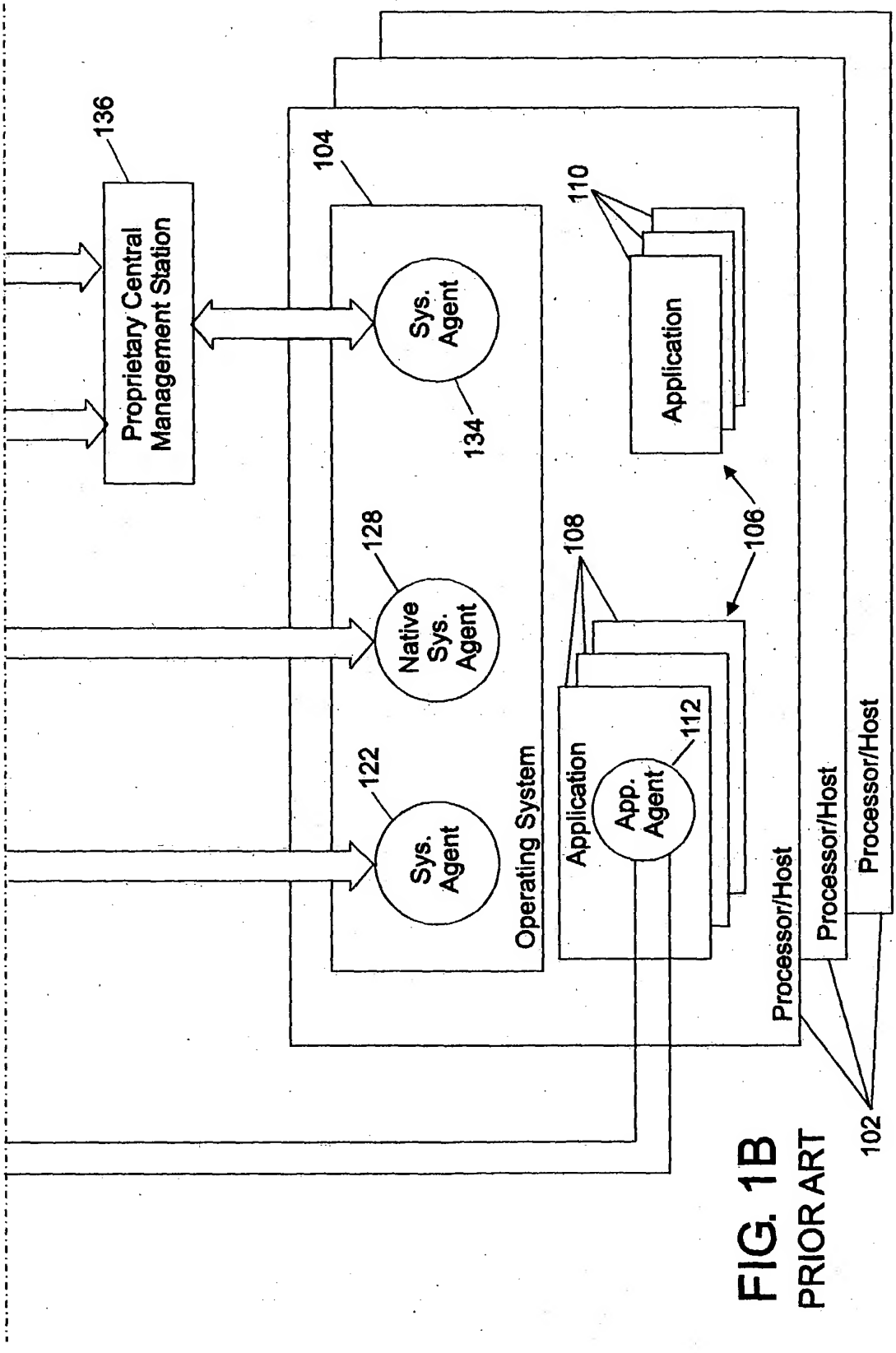
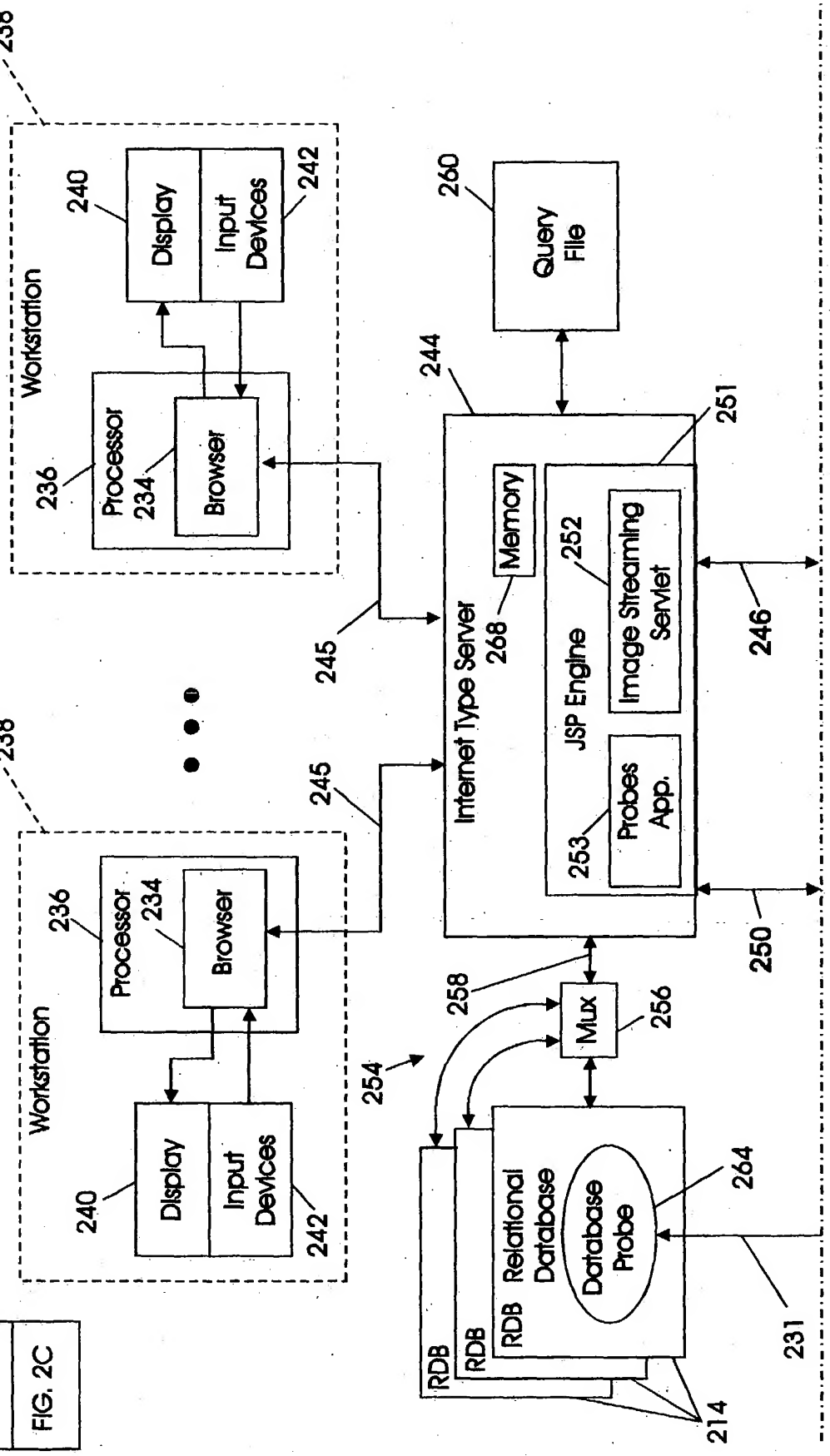


FIG. 1B
PRIOR ART

FIG. 2

FIG. 2A	FIG. 2B	FIG. 2C

FIG. 2A



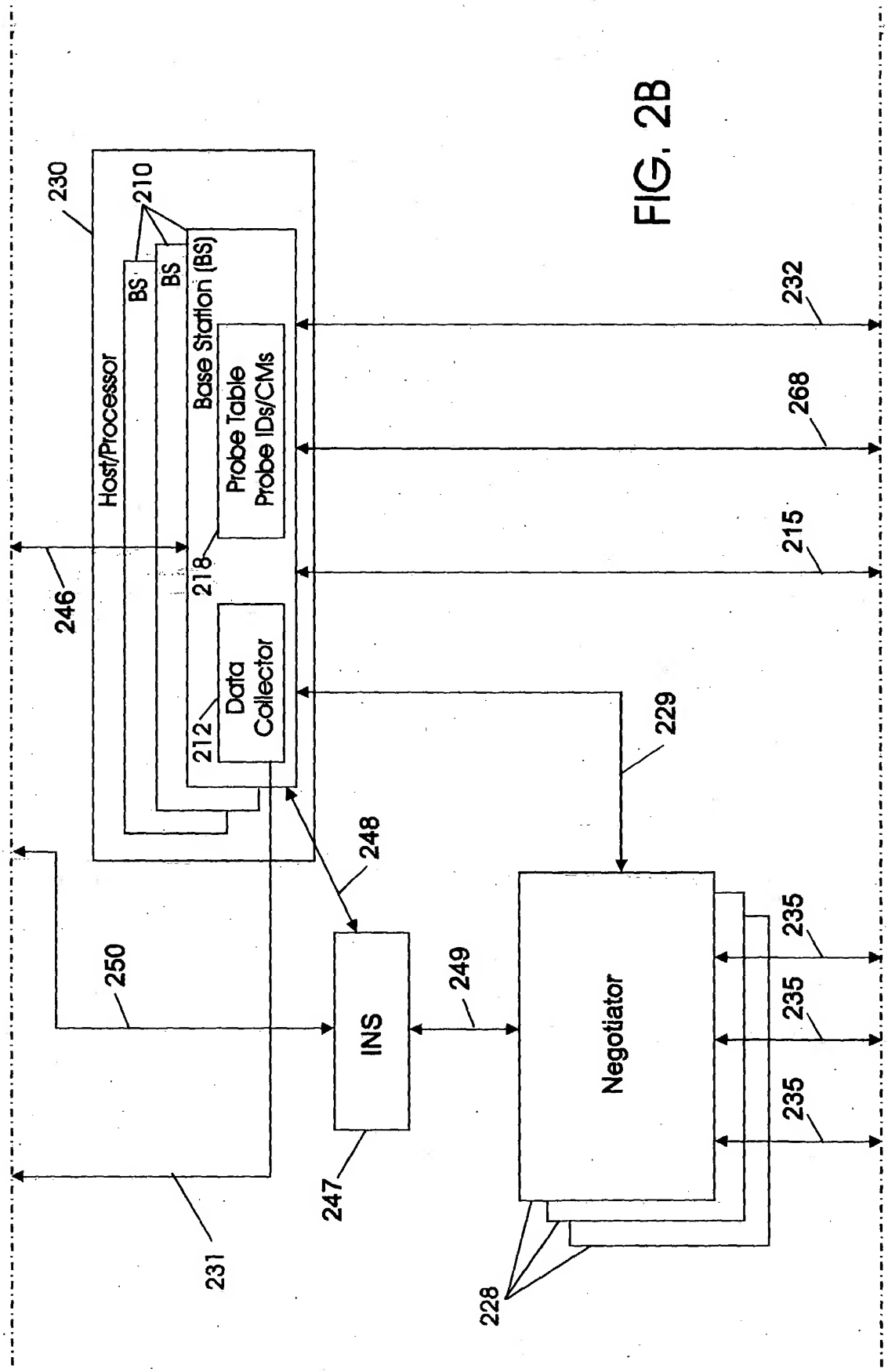

230
210
BS
BS
Base Station (BS)
Host/Processor
Probe Table
Probe IDs/CMs
218
Data
Collector
212
246
232
268
215
229
248
250
INS
249
Negotiator
235
235
235
247
231
228

FIG. 2B

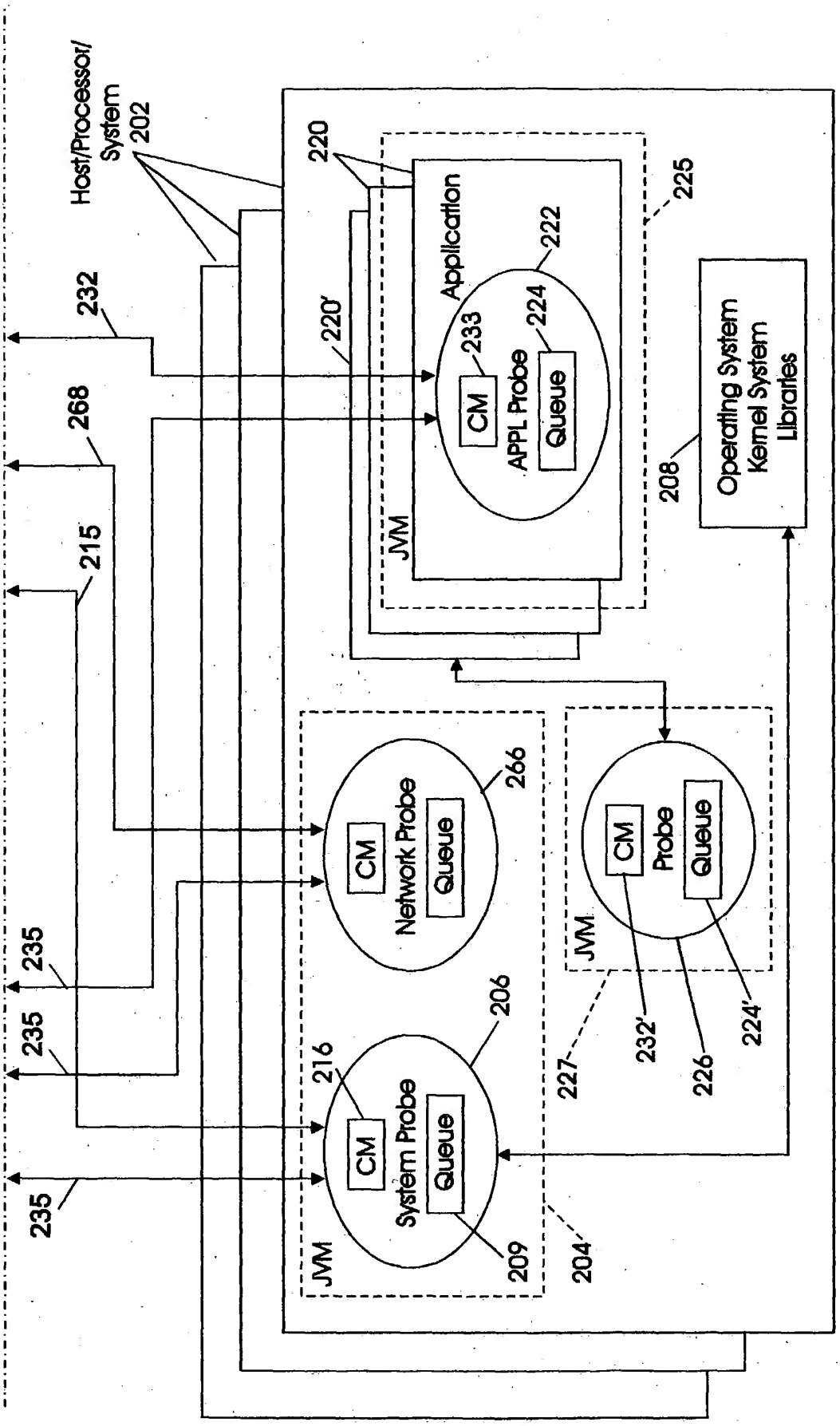

Host/Processor/
System
202
220
Application
222
225
232
220'
CM
233
APPL Probe
224
Queue
268
JVM
208
Operating System
Kernel System
Libraries
215
266
CM
Network Probe
Queue
235
235
206
216
CM
System Probe
Queue
209
JVM
204
CM
Probe
Queue
JVM
227
232'
226
224'
235

FIG. 2C

FIG. 3

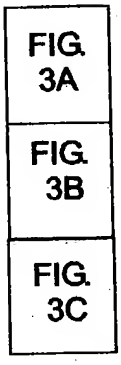
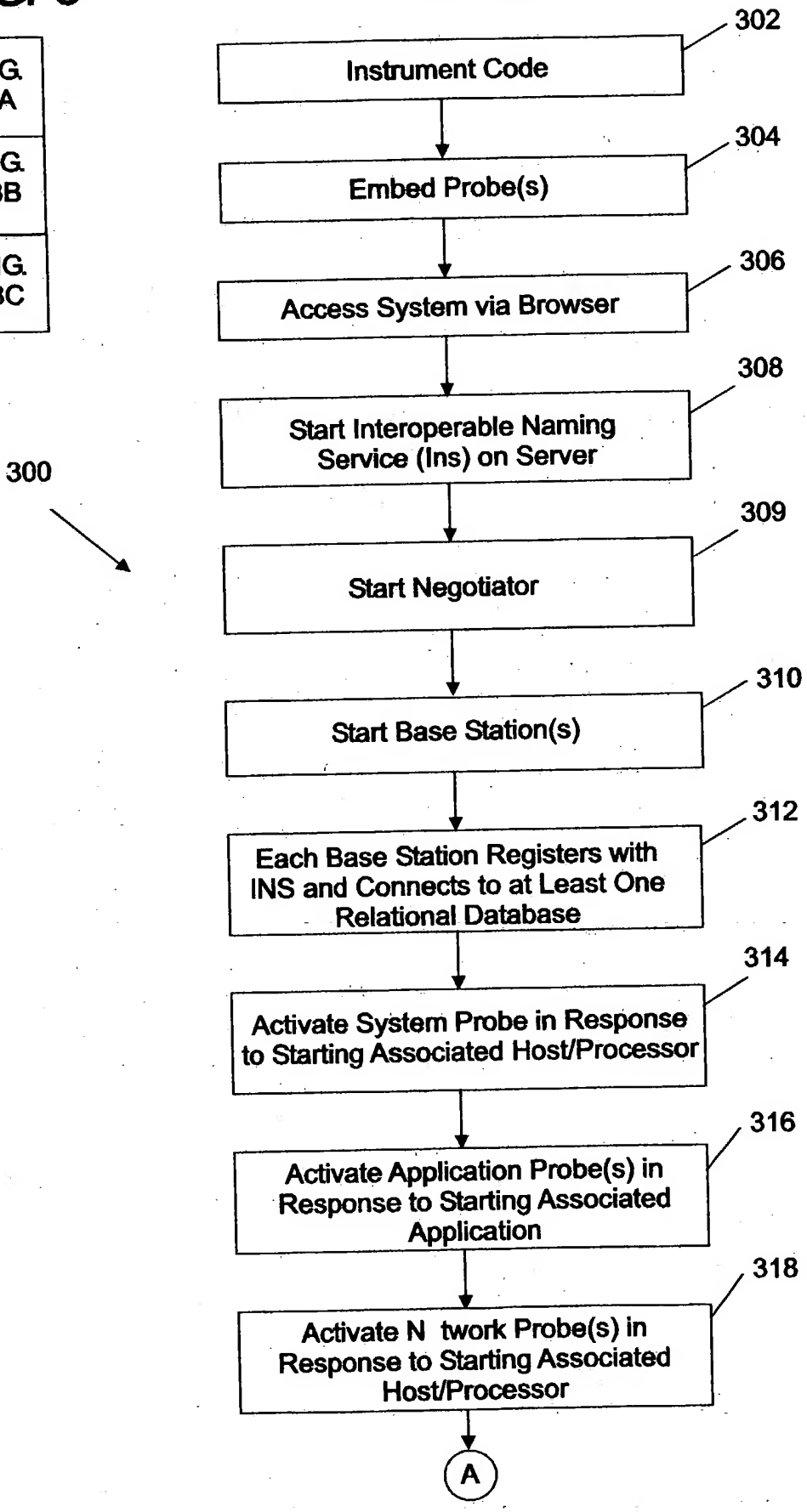


FIG. 3A
FIG. 3B
FIG. 3C

FIG. 3A


300
Instrument Code
302
Embed Probe(s)
304
Access System via Browser
306
Start Interoperable Naming Service (Ins) on Server
308
Start Negotiator
309
Start Base Station(s)
310
Each Base Station Registers with INS and Connects to at Least One Relational Database
312
Activate System Probe in Response to Starting Associated Host/Processor
314
Activate Application Probe(s) in Response to Starting Associated Application
316
Activate N twork Probe(s) in Response to Starting Associated Host/Processor
318
A

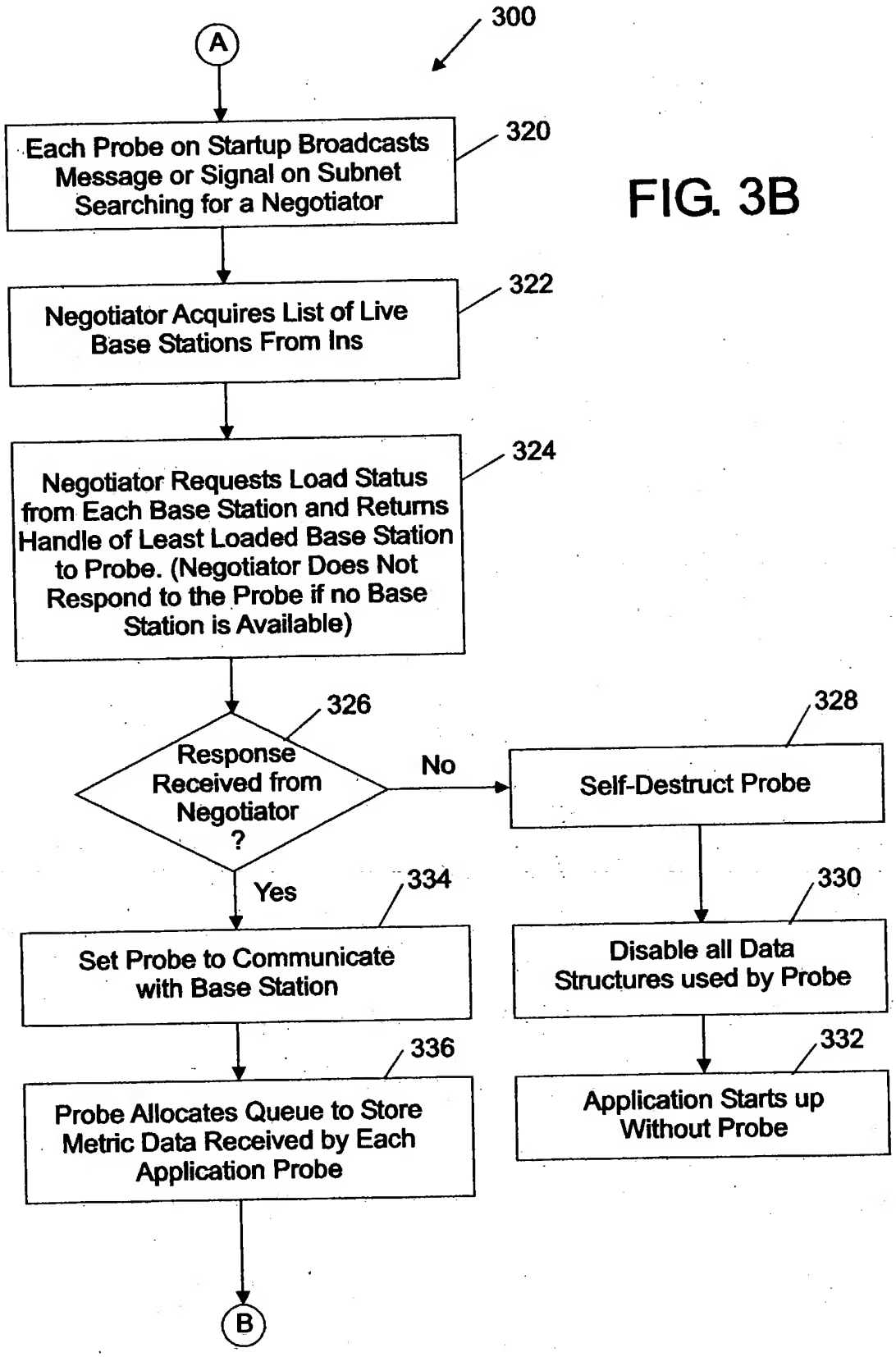

300
A
Each Probe on Startup Broadcasts Message or Signal on Subnet Searching for a Negotiator
320
Negotiator Acquires List of Live Base Stations From Ins
322
Negotiator Requests Load Status from Each Base Station and Returns Handle of Least Loaded Base Station to Probe. (Negotiator Does Not Respond to the Probe if no Base Station is Available)
324
Response Received from Negotiator ?
326
No
Yes
Self-Destruct Probe
328
Set Probe to Communicate with Base Station
334
Disable all Data Structures used by Probe
330
Probe Allocates Queue to Store Metric Data Received by Each Application Probe
336
Application Starts up Without Probe
332
B

FIG. 3B

FIG. 3C

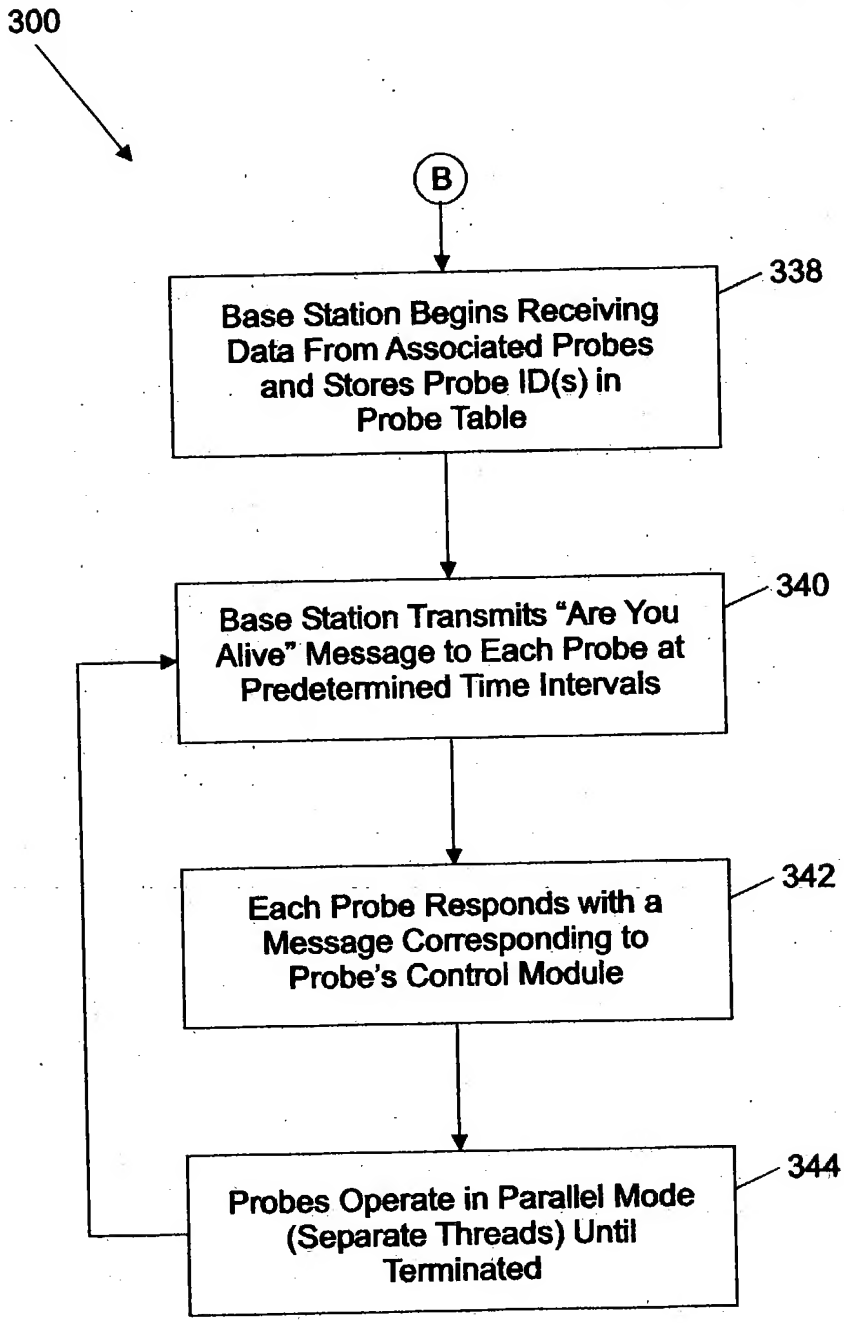

300
B
Base Station Begins Receiving Data From Associated Probes and Stores Probe ID(s) in Probe Table
338
Base Station Transmits "Are You Alive" Message to Each Probe at Predetermined Time Intervals
340
Each Probe Responds with a Message Corresponding to Probe's Control Module
342
Probes Operate in Parallel Mode (Separate Threads) Until Terminated
344

FIG. 4

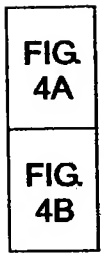


FIG. 4A
FIG. 4B

FIG. 4A

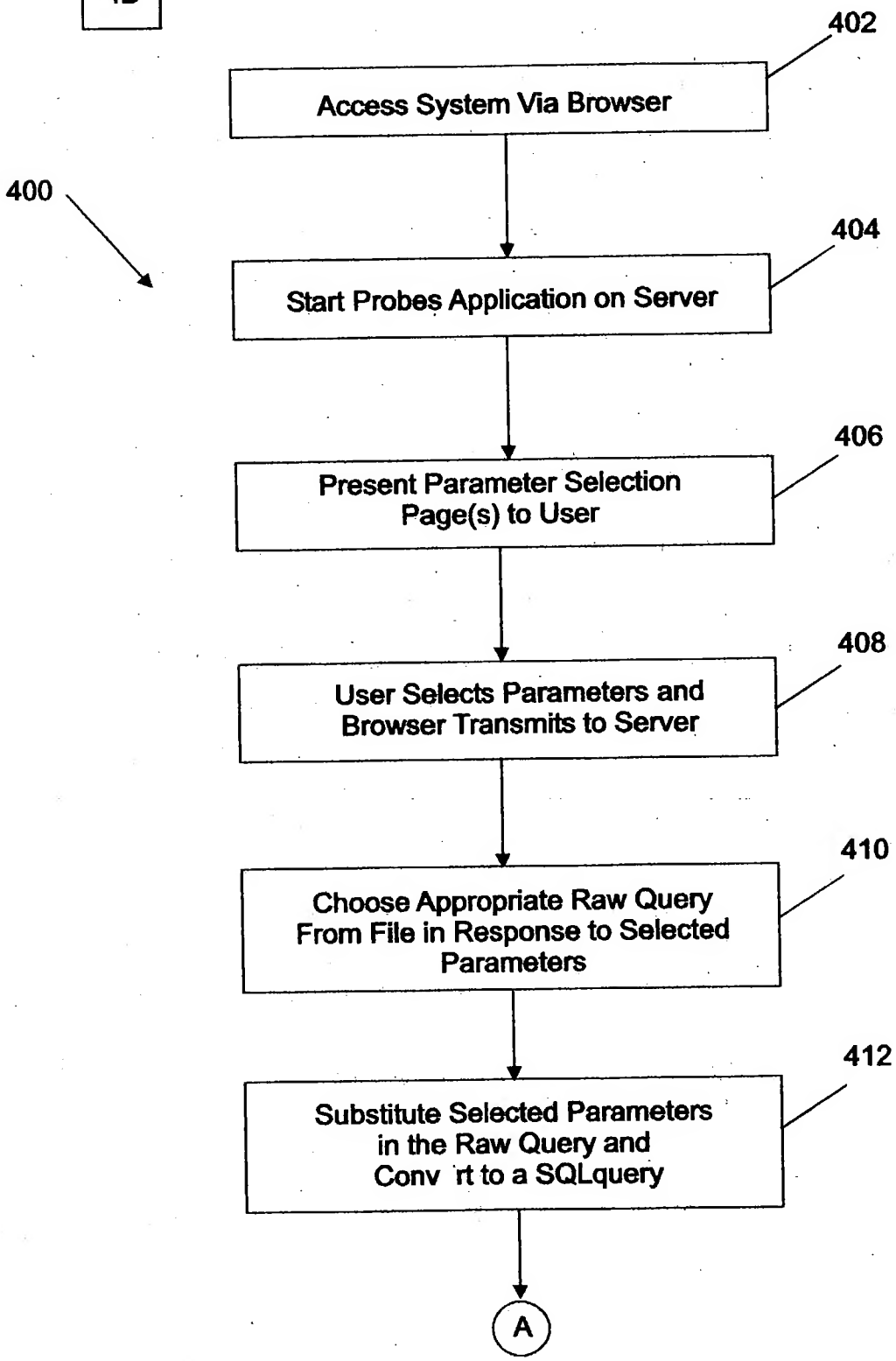
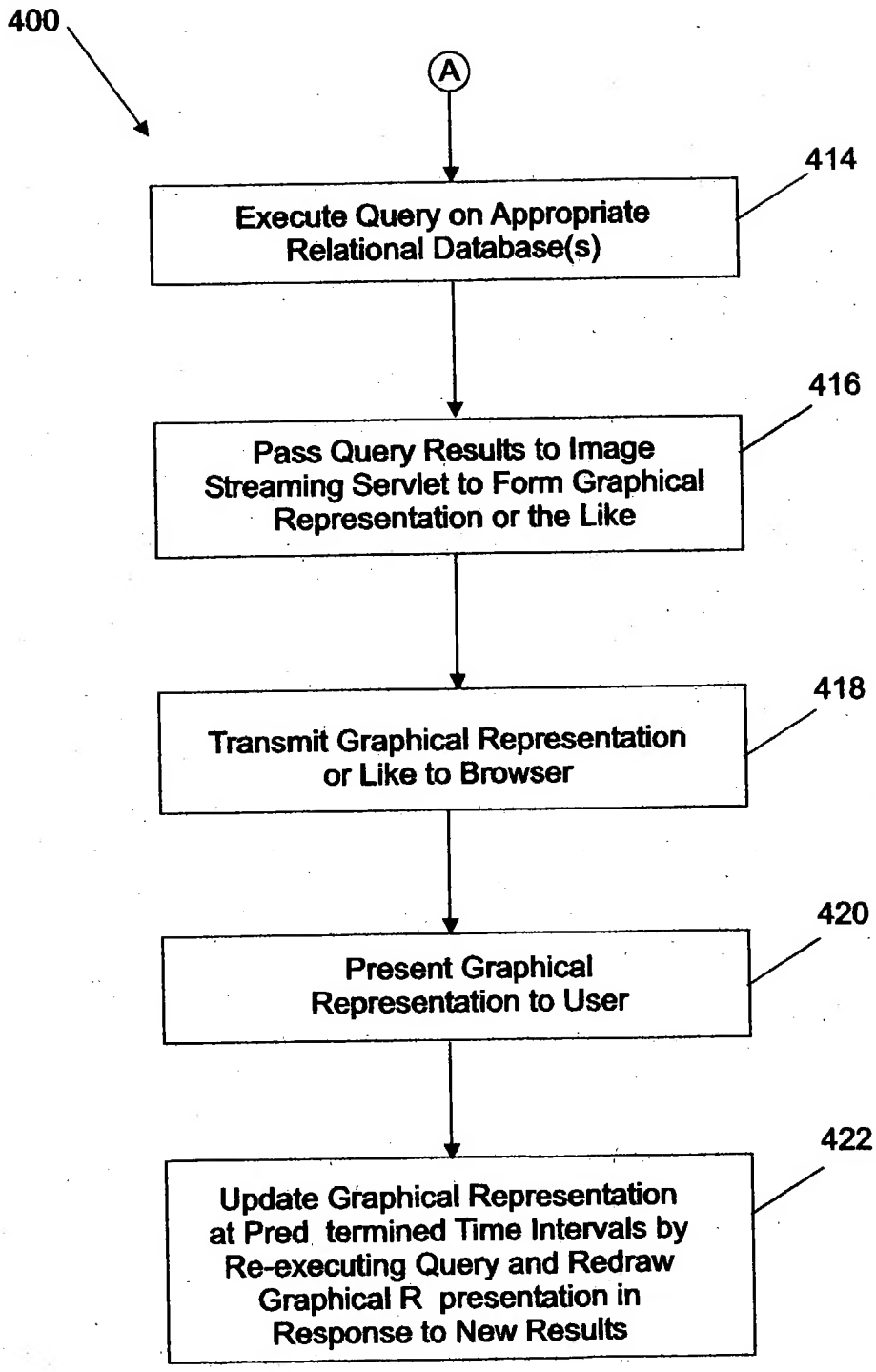
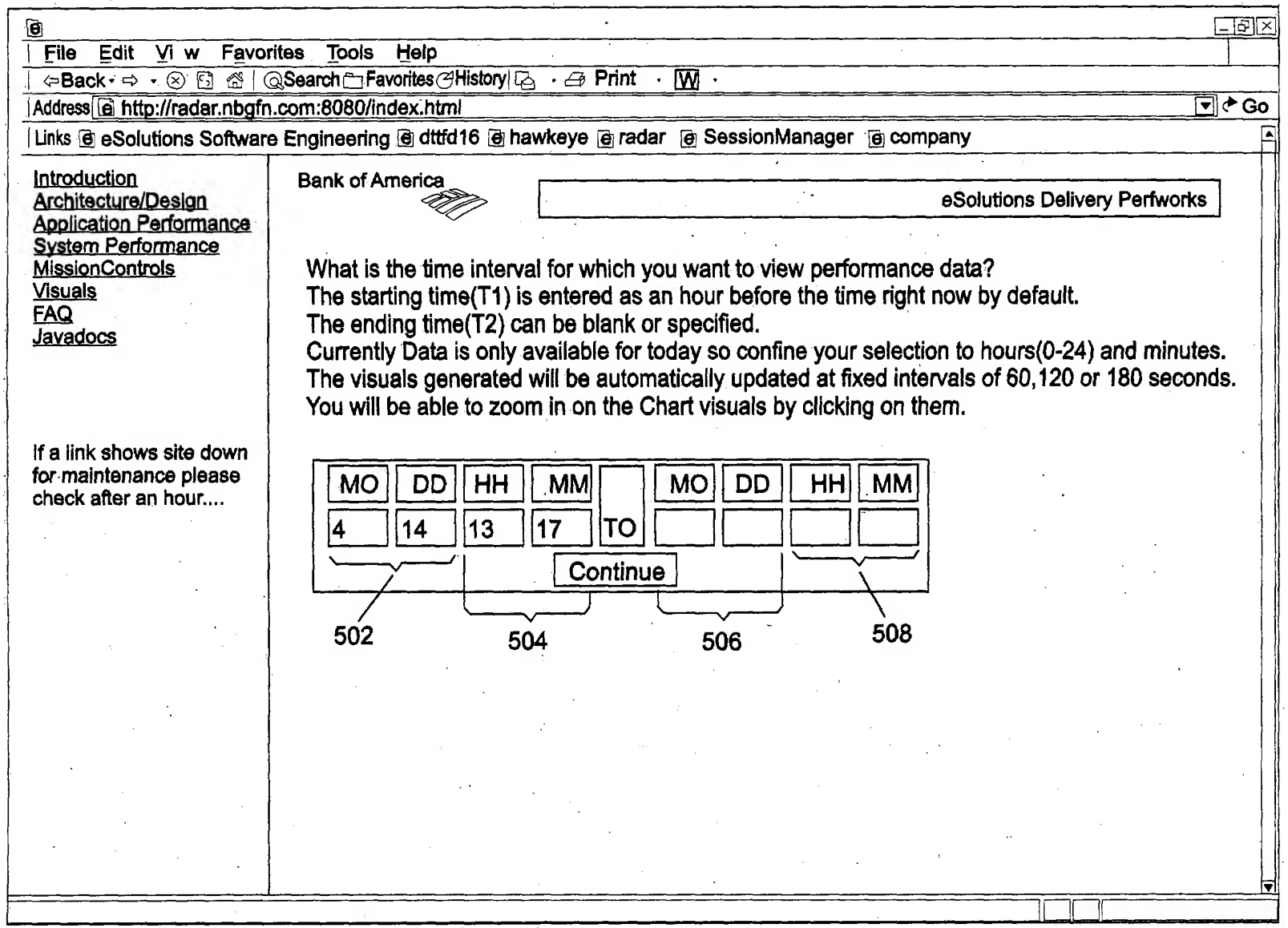

400
402
Access System Via Browser
404
Start Probes Application on Server
406
Present Parameter Selection Page(s) to User
408
User Selects Parameters and Browser Transmits to Server
410
Choose Appropriate Raw Query From File in Response to Selected Parameters
412
Substitute Selected Parameters in the Raw Query and Conv rt to a SQLquery
A

FIG. 4B


400
A
414
Execute Query on Appropriate Relational Database(s)
416
Pass Query Results to Image Streaming Servlet to Form Graphical Representation or the Like
418
Transmit Graphical Representation or Like to Browser
420
Present Graphical Representation to User
422
Update Graphical Representation at Pred termined Time Intervals by Re-executing Query and Redraw Graphical R presentation in Response to New Results



500

FIG. 5

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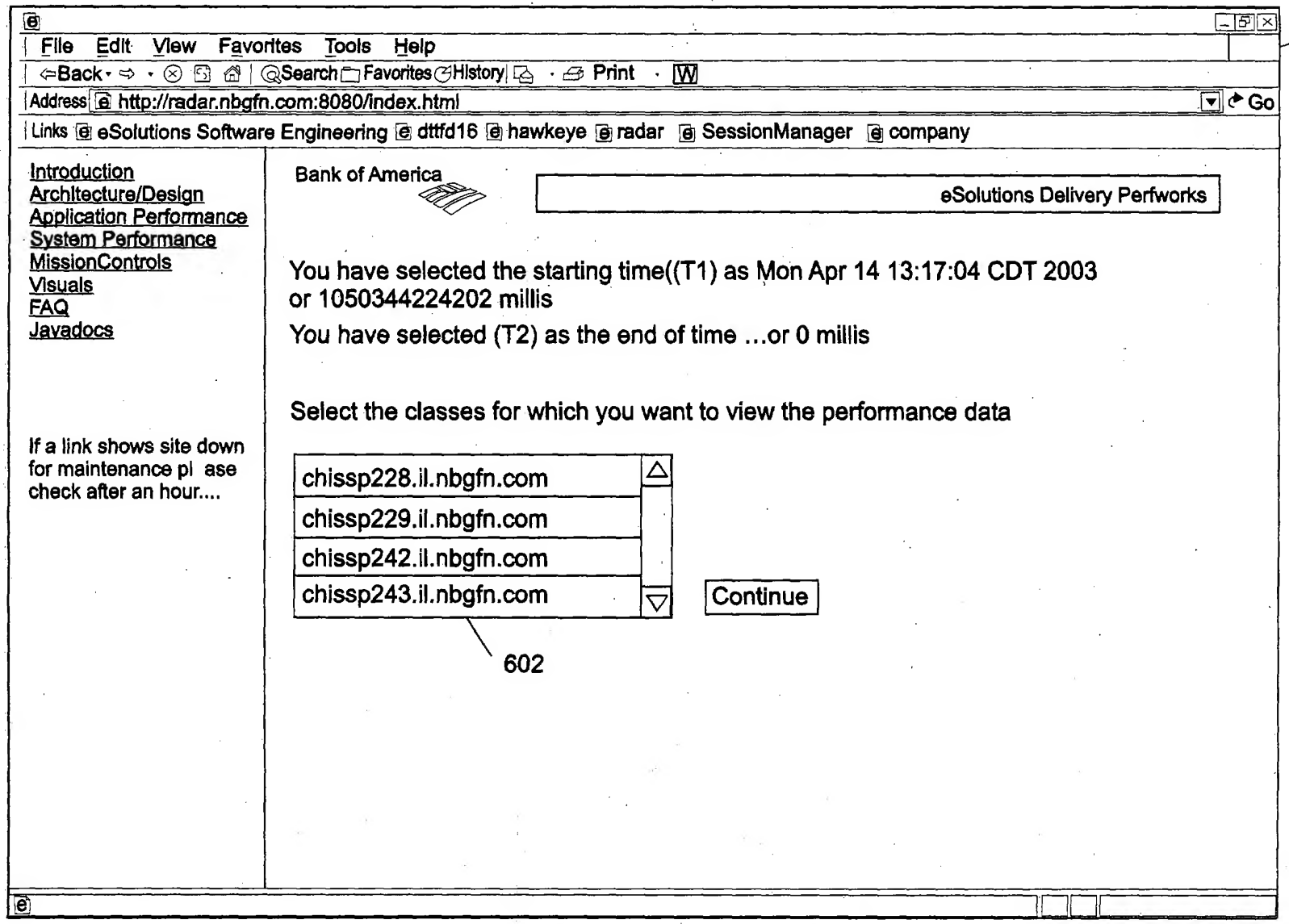

FIG. 6

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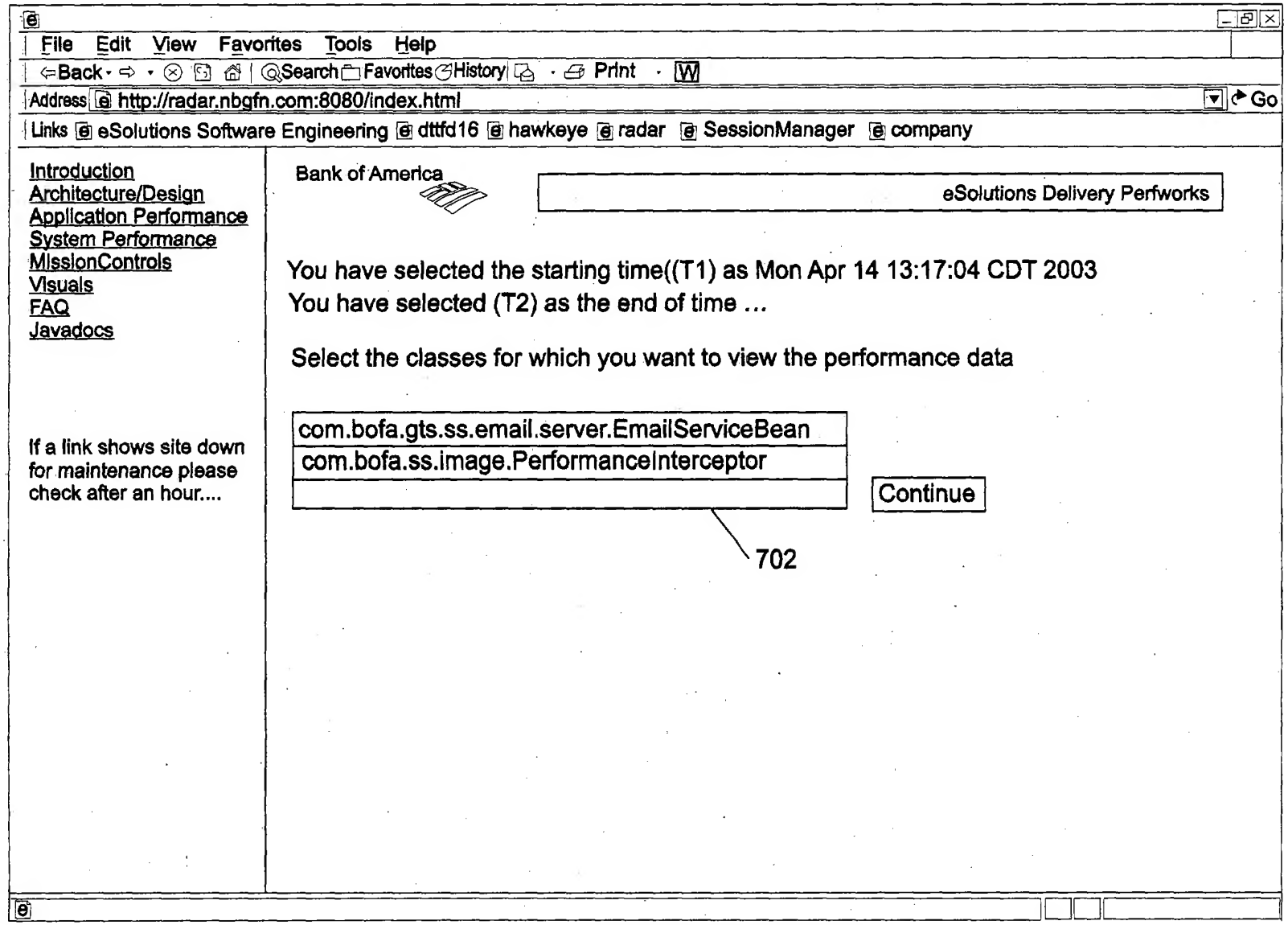

FIG. 7

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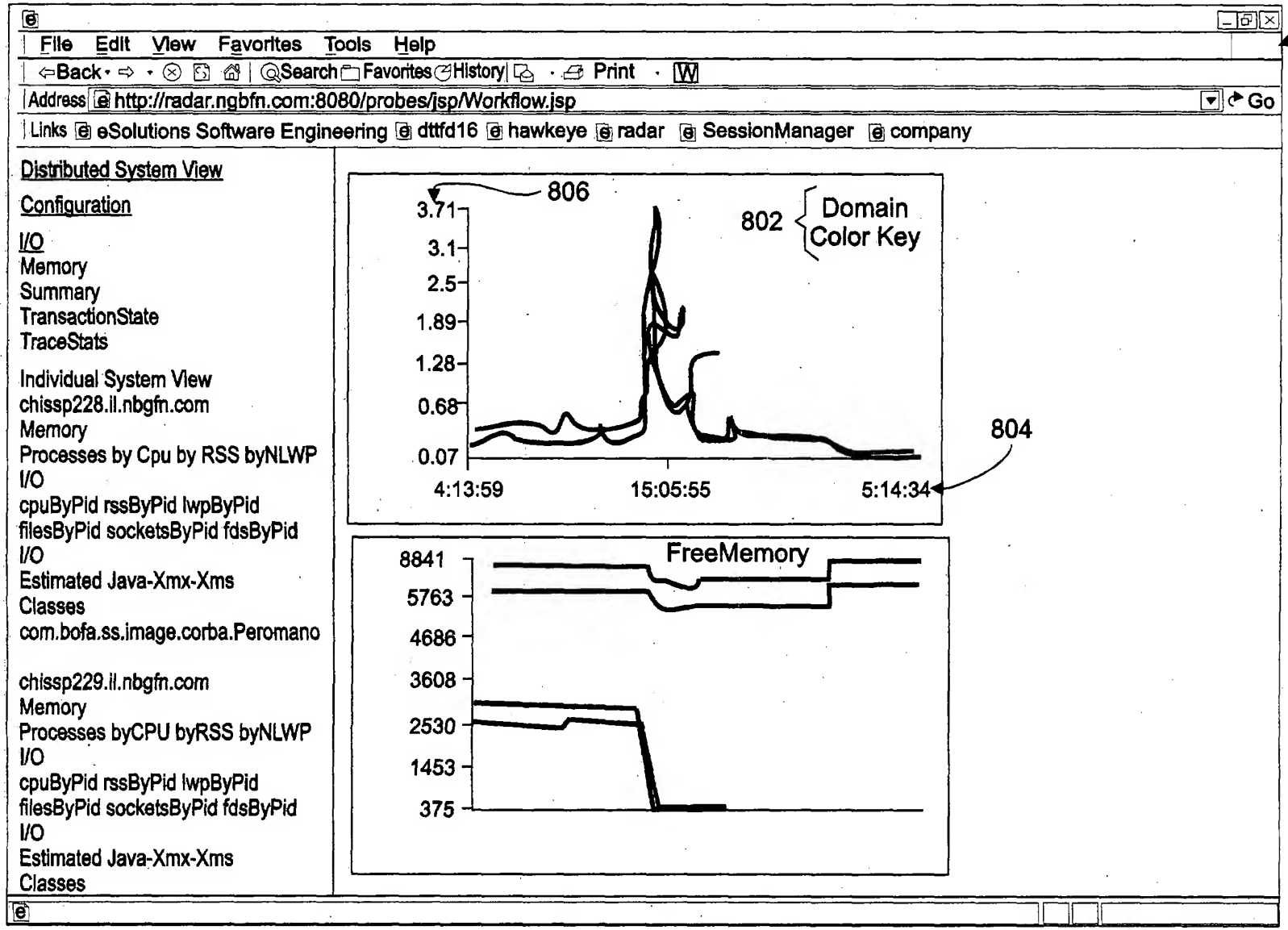

FIG. 8

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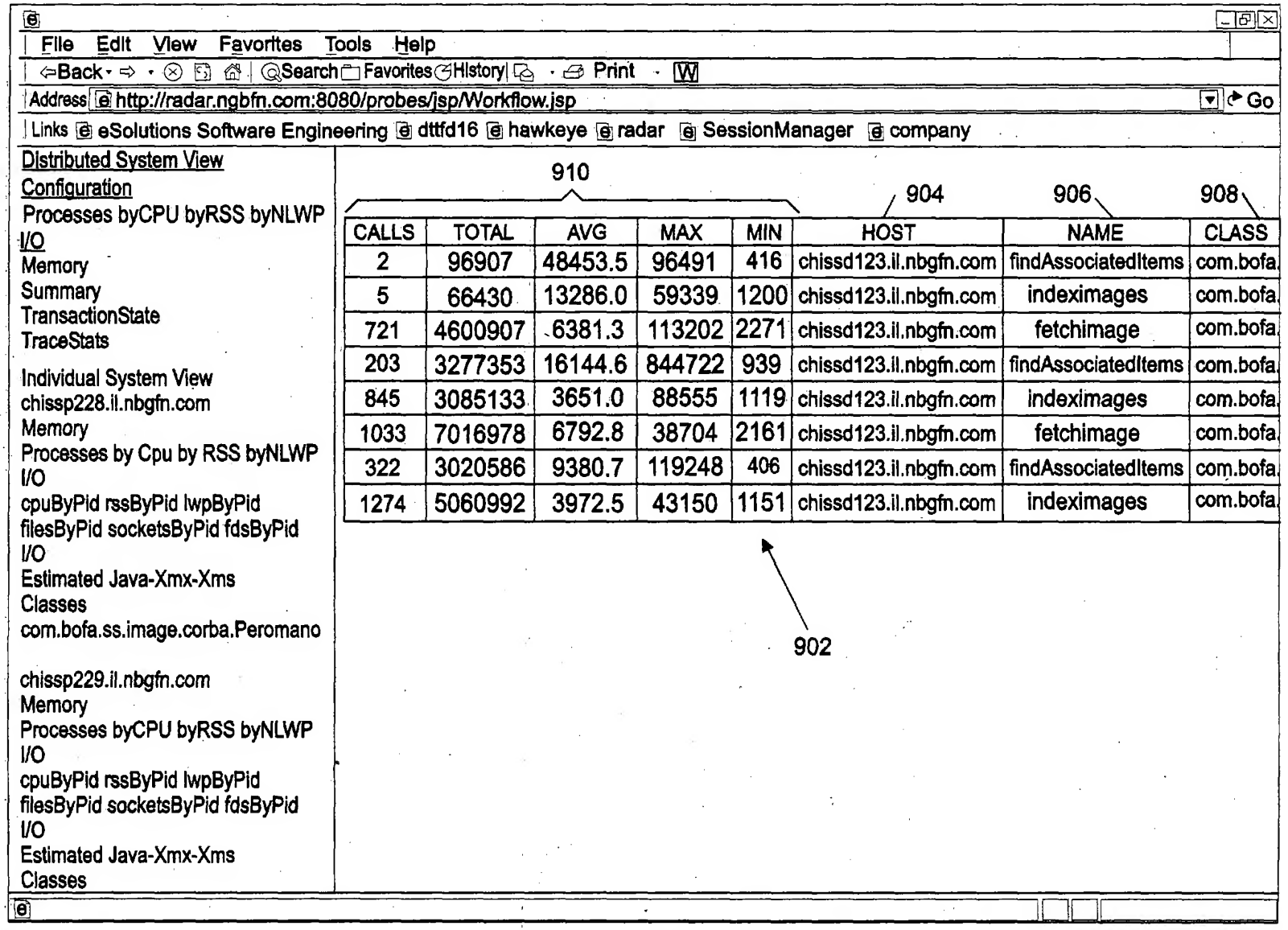

CALLS	TOTAL	AVG	MAX	MIN	HOST	NAME	CLASS
2	96907	48453.5	96491	416	chissd123.il.nbgfn.com	findAssociatedItems	com.bofa.
5	66430	13286.0	59339	1200	chissd123.il.nbgfn.com	indeximages	com.bofa.
721	4600907	6381.3	113202	2271	chissd123.il.nbgfn.com	fetchimage	com.bofa.
203	3277353	16144.6	844722	939	chissd123.il.nbgfn.com	findAssociatedItems	com.bofa.
845	3085133	3651.0	88555	1119	chissd123.il.nbgfn.com	indeximages	com.bofa.
1033	7016978	6792.8	38704	2161	chissd123.il.nbgfn.com	fetchimage	com.bofa.
322	3020586	9380.7	119248	406	chissd123.il.nbgfn.com	findAssociatedItems	com.bofa.
1274	5060992	3972.5	43150	1151	chissd123.il.nbgfn.com	indeximages	com.bofa.

900

FIG. 9

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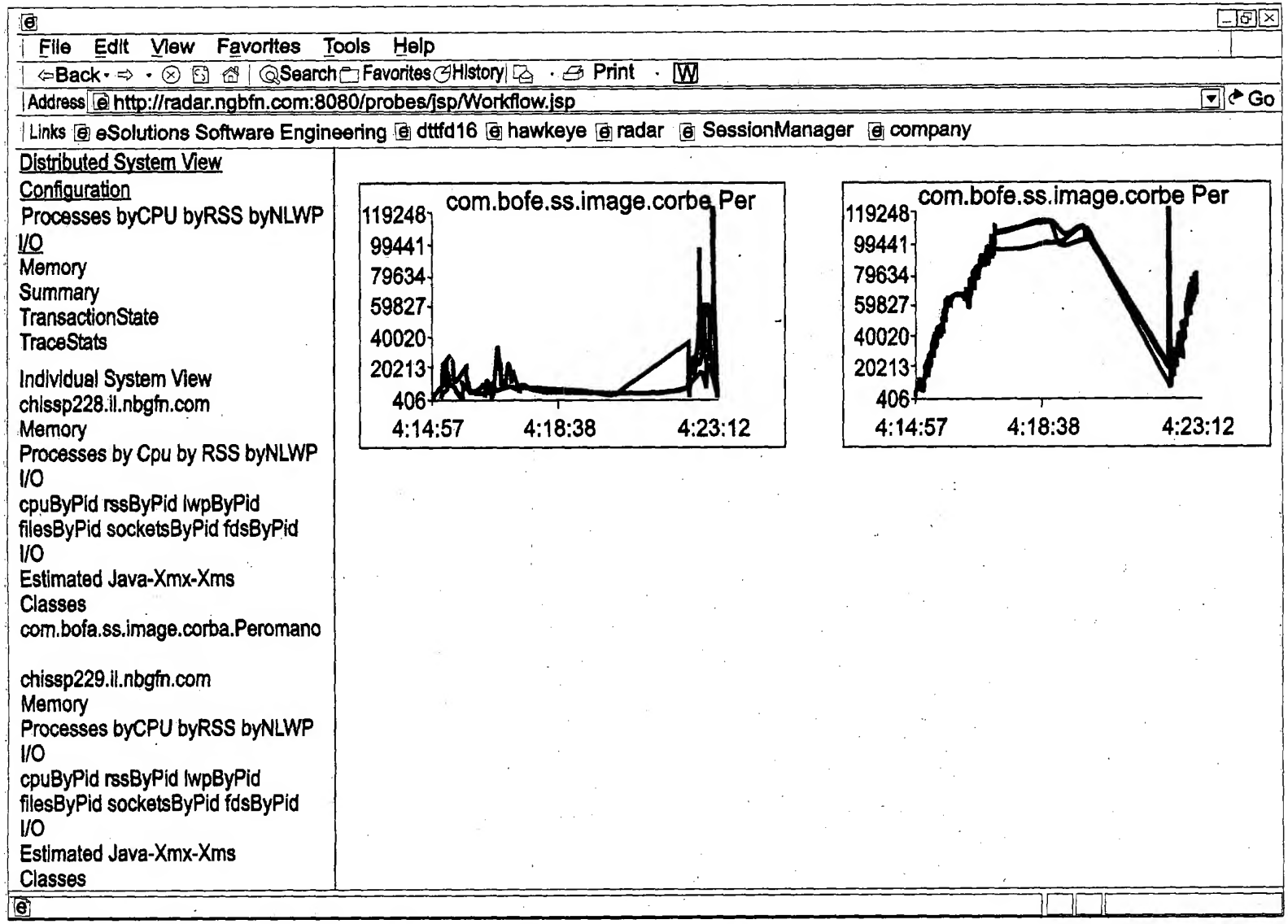

FIG. 10

1000

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FIG. 11

FIG. 11A

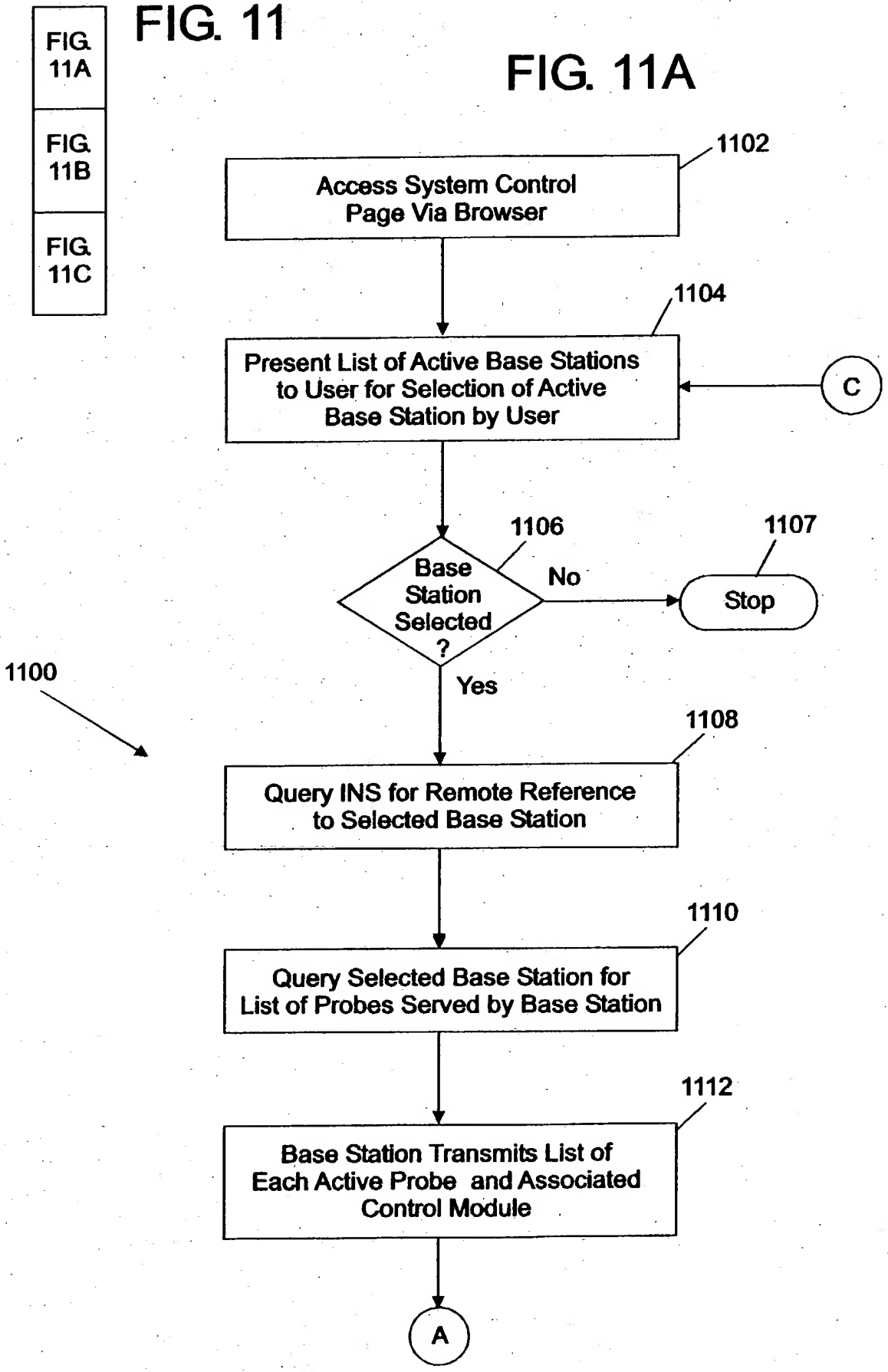


FIG. 11B

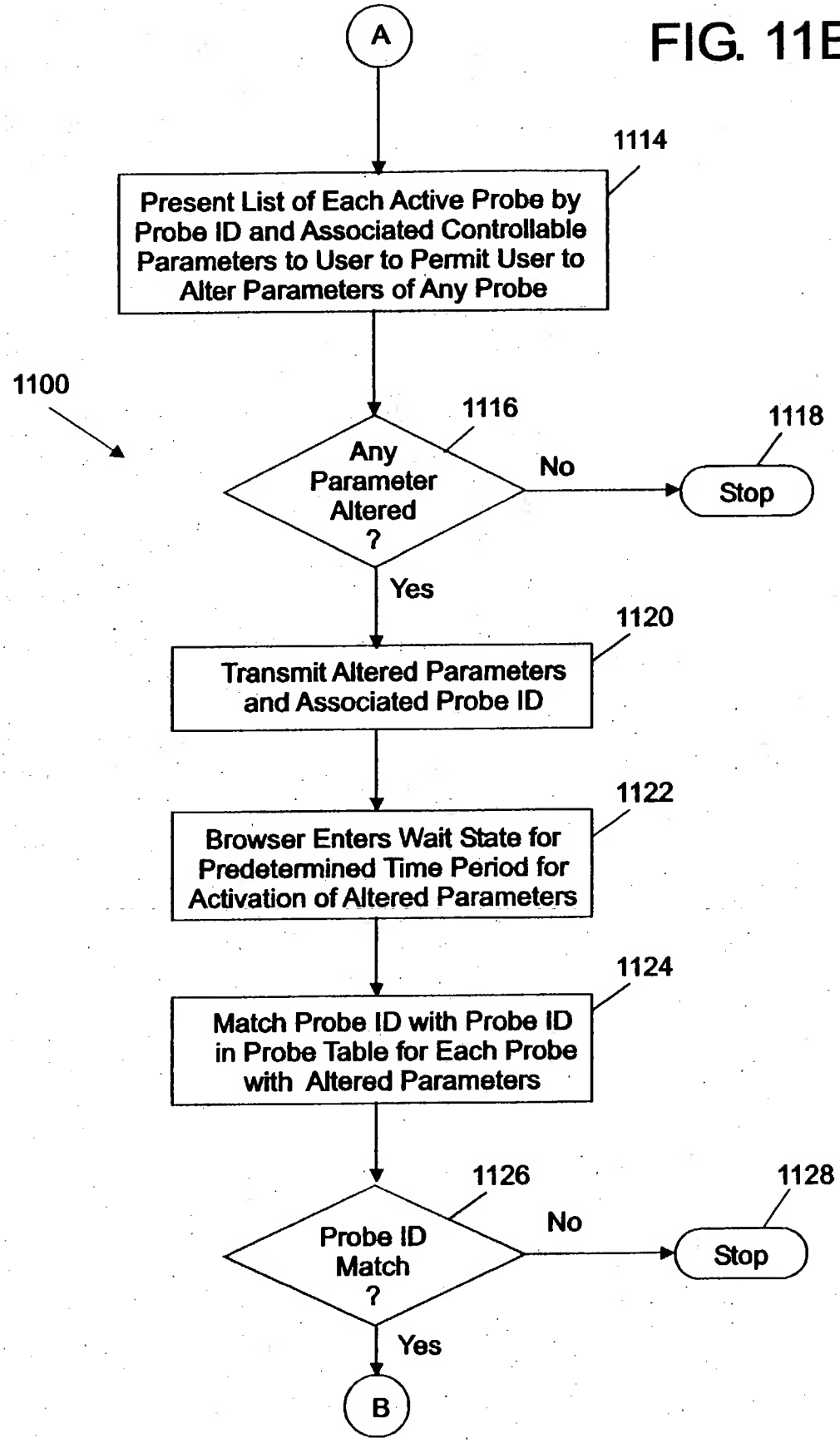
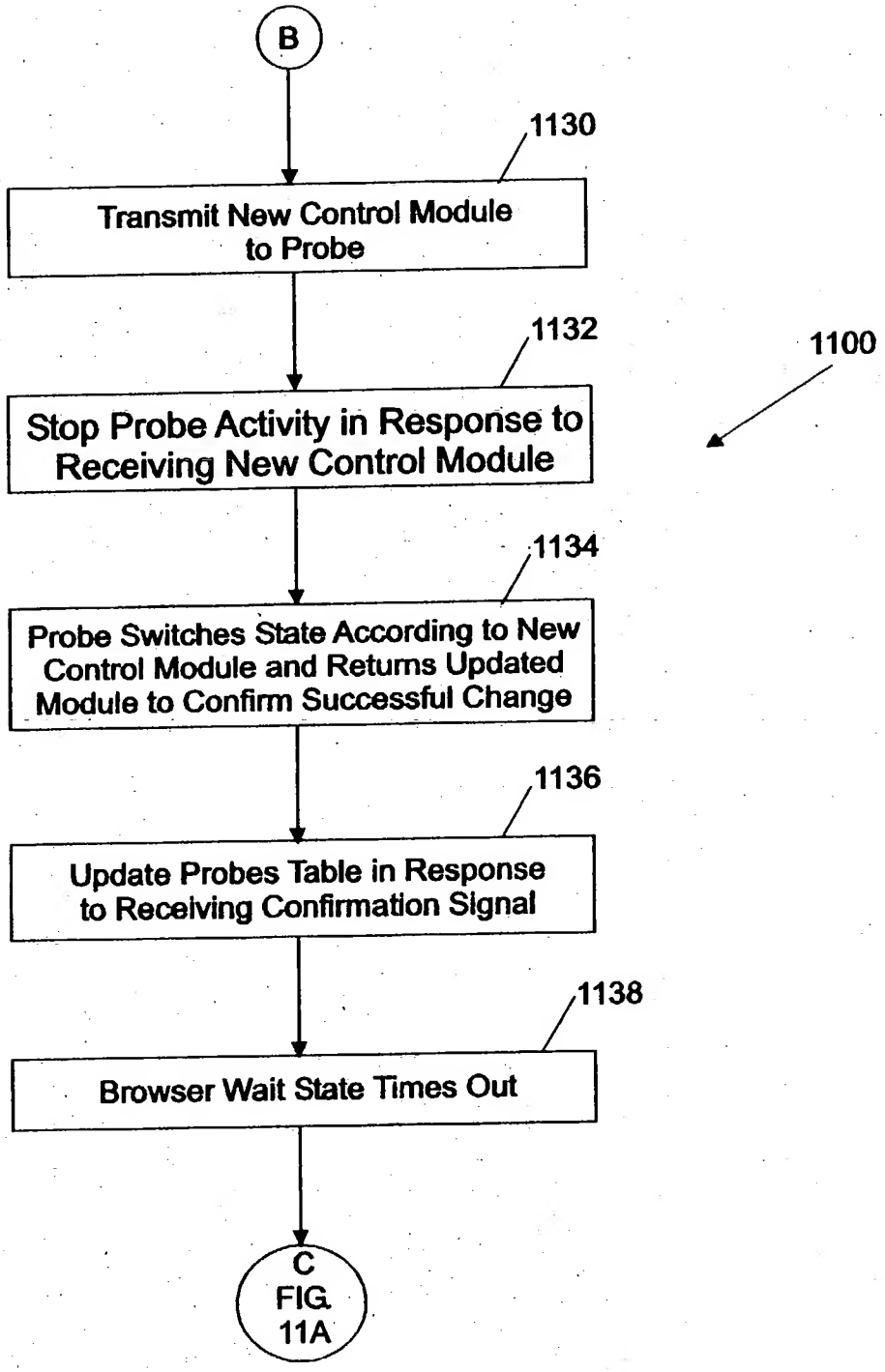
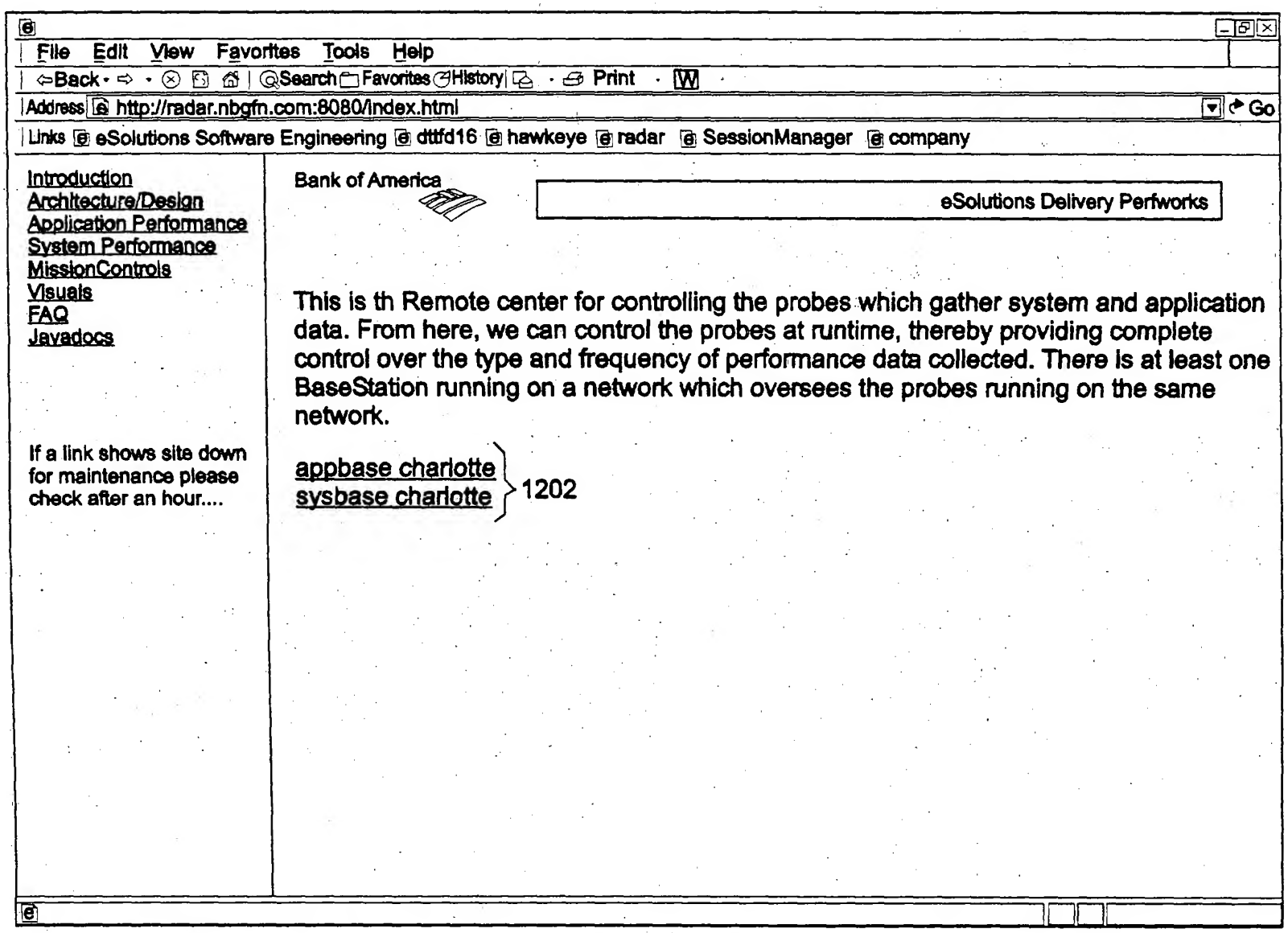

A
1114
Present List of Each Active Probe by Probe ID and Associated Controllable Parameters to User to Permit User to Alter Parameters of Any Probe
1100
1116
Any Parameter Altered ?
No
1118
Stop
Yes
1120
Transmit Altered Parameters and Associated Probe ID
1122
Browser Enters Wait State for Predetermined Time Period for Activation of Altered Parameters
1124
Match Probe ID with Probe ID in Probe Table for Each Probe with Altered Parameters
1126
Probe ID Match ?
No
1128
Stop
Yes
B

FIG. 11C


B
1130
Transmit New Control Module to Probe
1132
Stop Probe Activity in Response to Receiving New Control Module
1100
1134
Probe Switches State According to New Control Module and Returns Updated Module to Confirm Successful Change
1136
Update Probes Table in Response to Receiving Confirmation Signal
1138
Browser Wait State Times Out
C
FIG. 11A



1200

FIG. 12

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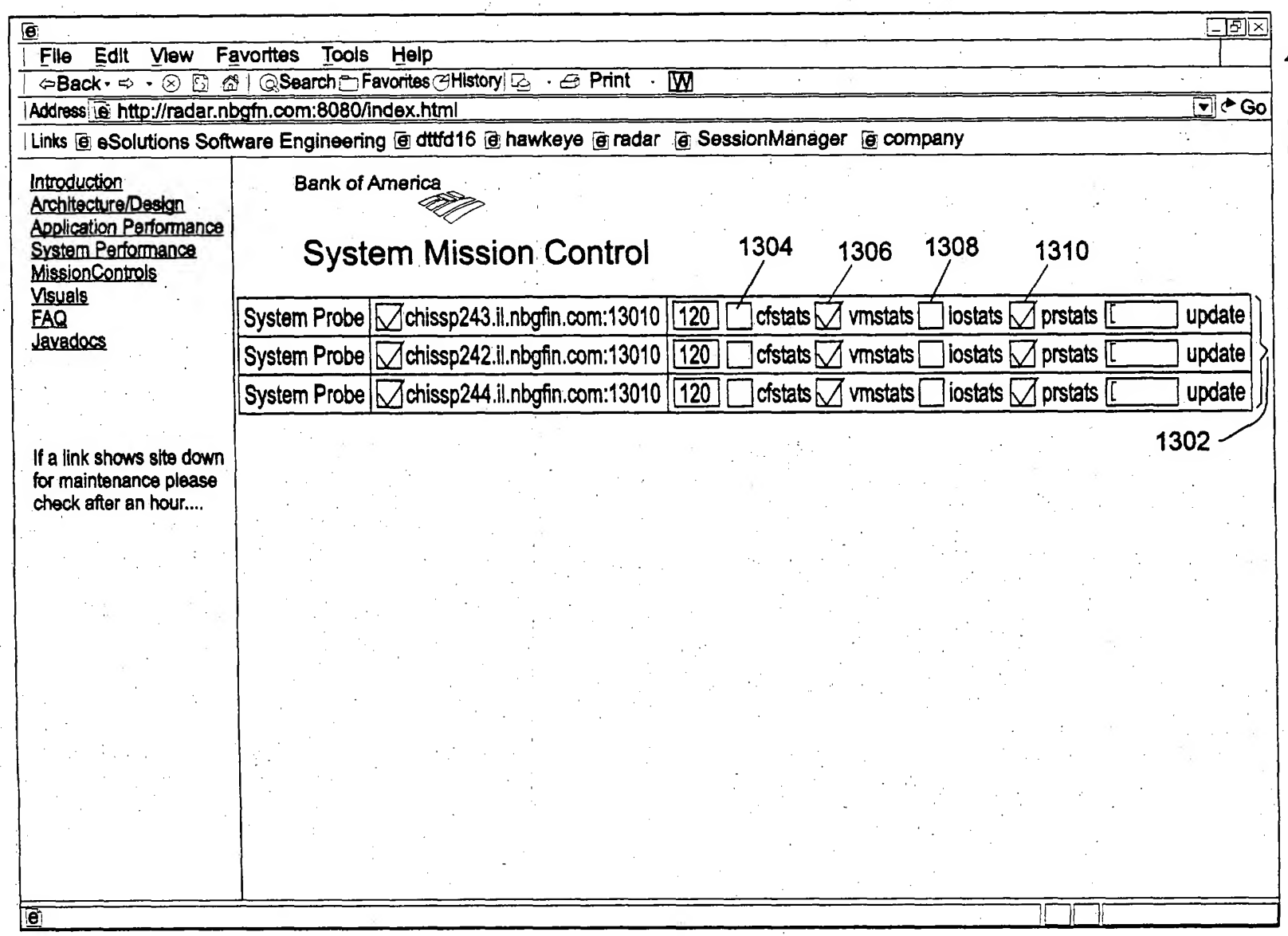

1300

FIG. 13

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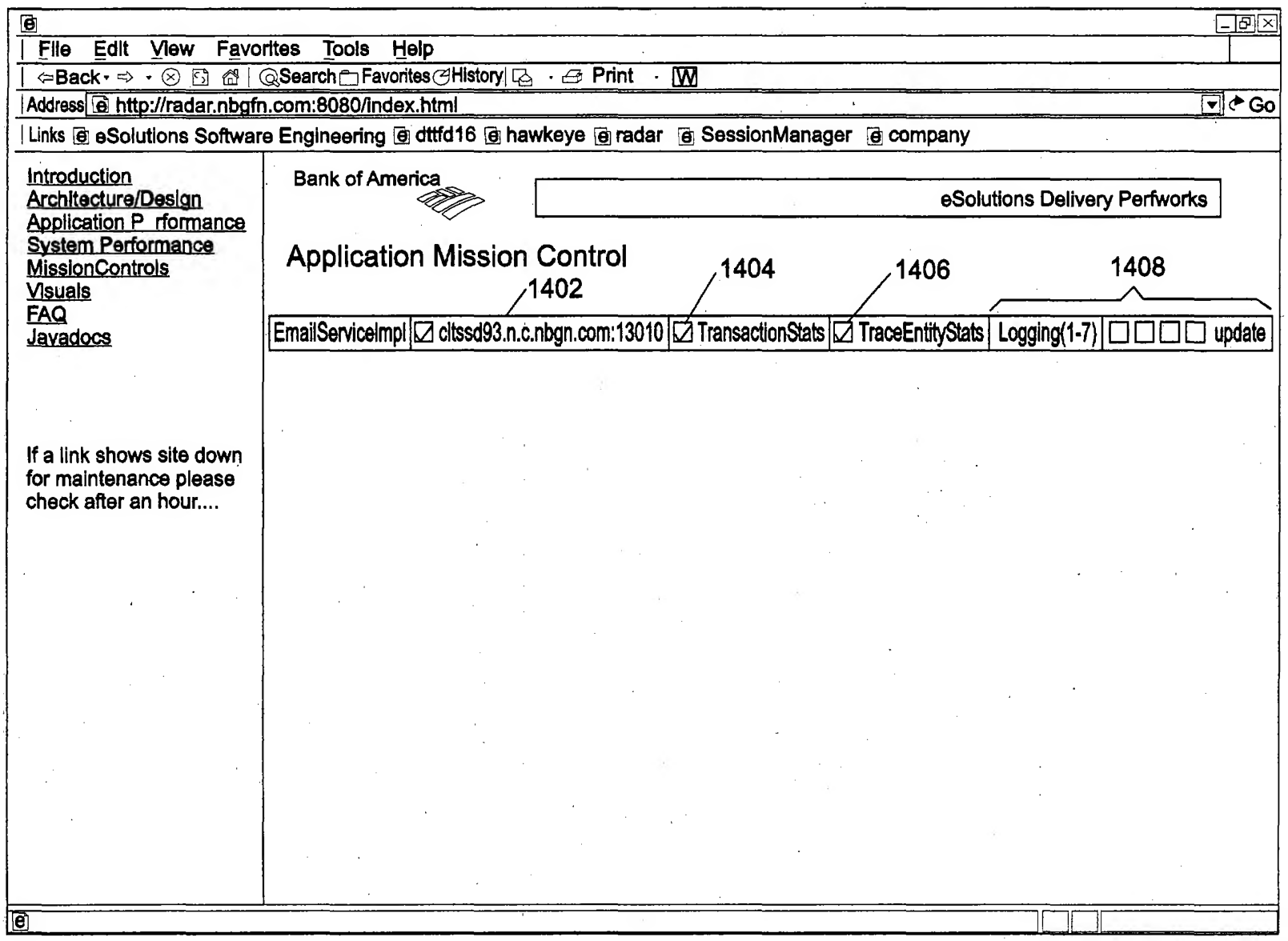

FIG. 14

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